RJE MMINIATURE ALUMINUM ELECTROLYTIC CAPACITORS

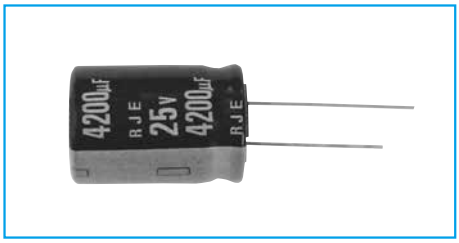
ELNA

For SRS AirBag | GREEN CAP | 105℃ 5000hours | Anti-cleaning solvent | For AirBag

- For SRS AirBag application
- Special tolerance at rated capacitance and high capacitance, and good low temperature behavior.
- Guarantees 5000 hours at 105℃.

For SAS AirBag

RJE ⇦ RJD



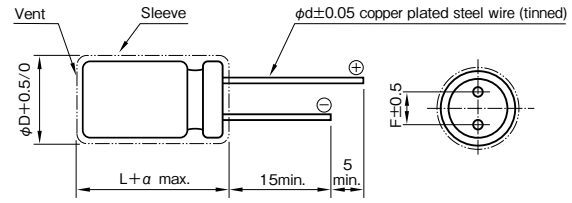
Marking color : White print on a black sleeve

Specifications

Item	Performance
Category temperature range (℃)	−55 to +105
Tolerance at rated capacitance (%)	0 to +30 (20℃,120Hz)
Leakage current (μA) (max.)	0.01CV (after 2 minutes) C : Rated capacitance (μF) , V : Rated voltage (V) (20℃)
Tangent of loss angle (tanδ)	Rated voltage (V): 25 / 35; tanδ (max.): 0.20 / 0.16. 0.02 is added to every 1000μF increase over 1000μF (20℃,120Hz)
Characteristics at high and low temperature	Rated voltage (V): 25 / 35; Impedance ratio (max.) Z−55℃/Z+20℃: 3 / 3 (120Hz)
Endurance (105℃)	Test time: 5000 hours; Leakage current: The initial specified value or less; Percentage of capacitance change: Within ±30% of initial value; Tangent of loss angle: 300% or less of the initial specified value
Shelf life (105℃)	Test time : 1000hours ; other items are same as the endurance. Voltage application treatment : According to JIS C5101-4 4.1
Applicable standards	JIS C5101 - 1,- 4 (IEC 60384 - 1,- 4)

Outline Drawing

Unit : mm



ϕD	12.5	16	18
F	5.0	7.5	7.5
ϕd	0.6	0.8	0.8
α	2.0	2.0	2.0

(Note) Whisker preventive structure is possible.

Coefficient of Frequency for Rated Ripple Current

Rated capacitance (μF) \ Frequency (Hz)	50・60	120	1k	10k・100k
830 to 1100	0.70	0.75	0.90	1
1200 to 11000	0.80	0.85	0.95	1

Product code system : 25V4200μF
(*For automotive: powertrain, safety)

RA*	RJE	422	A	1T	G40	☐	T
Category code	Series code	capacitance code	Cap tol. code	Voltage code	Size code	Lead-forming and packing code	Additional code

・If it is whisker preventive structure, should change "T" into "G".
・For details, refer to the various "Product Code System" pages.

Standard Ratings

Case size ϕD×L (mm)	Item code	25 (1T) Rated capacitance (μF)	25 (1T) ESR Ω (max.) 20℃	25 (1T) ESR Ω (max.) −40℃	25 (1T) Rated ripple current (mArms)	35 (1G) Rated capacitance (μF)	35 (1G) ESR Ω (max.) 20℃	35 (1G) ESR Ω (max.) −40℃	35 (1G) Rated ripple current (mArms)
12.5×15	G15	1100	0.174	0.52	1210	830	0.174	0.52	1210
12.5×20	G20	1800	0.107	0.27	1670	1300	0.107	0.27	1670
12.5×25	G25	2400	0.084	0.21	1950	1600	0.084	0.21	1950
12.5×30	G30	3200	0.070	0.18	2330	2200	0.070	0.18	2330
12.5×35	G35	3700	0.062	0.16	2620	2500	0.062	0.16	2620
12.5×40	G40	4200	0.048	0.12	3160	2900	0.048	0.12	3160
16×16	J16	2100	0.121	0.36	1700	1500	0.121	0.36	1700
16×20	J20	3100	0.082	0.21	2230	2100	0.082	0.21	2230
16×25	J25	4300	0.062	0.16	2650	3000	0.062	0.16	2650
16×31.5	J31	5800	0.051	0.13	3210	4000	0.051	0.13	3210
16×35.5	J35	6800	0.045	0.11	3570	4600	0.045	0.11	3570
16×40	J40	7800	0.042	0.11	3880	5300	0.042	0.11	3880
18×16	K16	3000	0.107	0.32	2010	2100	0.107	0.32	2010
18×20	K20	4300	0.079	0.20	2500	3000	0.079	0.20	2500
18×25	K25	6000	0.056	0.14	3000	4200	0.056	0.14	3000
18×31.5	K31	8000	0.045	0.11	3660	5600	0.045	0.11	3660
18×35.5	K35	9300	0.042	0.11	3960	6500	0.042	0.11	3960
18×40	K40	11000	0.040	0.10	4300	7400	0.040	0.10	4300

(Note) Rated ripple current : 105℃, 100kHz ; ESR : 100kHz

NOTE : Design, Specifications are subject to change without notice.
It is recommended that you shall obtain technical specifications from ELNA to ensure that the component is suitable for your use.